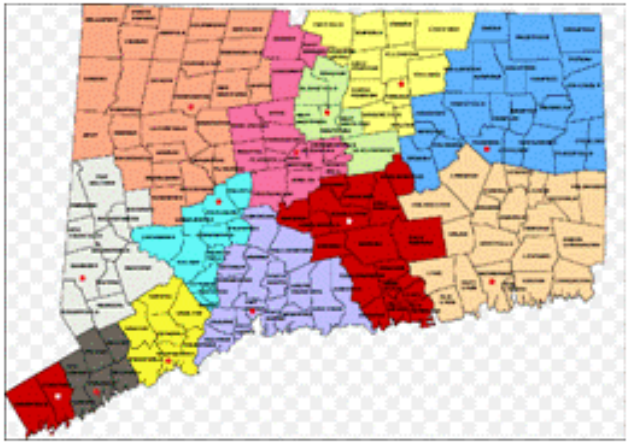
EVALUATION & RESEARCH 2014

Connecticut Energy Efficiency Fund
Energy Efficiency Board
Evaluation and Research



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2013-2014 YTD Studies Completed & Underway – Summary Statistics

# Done YTD	# Underway	By Type
12	14	Total
8	8	Residential
2	2	Small Com'l
2	4	Large C&I
3+	1	Impact
2	2	Process
6	4	Market Assessment
1	1	Retention
~	~2	NTG / Free Rider / Spillover
1	1	Baseline
2	3	Data Mining / Secondary
~	1	Other Topics

Approx numbers; NOT counting NEEP projects

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Completed (or draft) studies – 2013-YTD 2014 (not including NEEP)

- Residential:
  - Yr. 2 HER Behavioral Pilot Study; Impact (R2)
  - Regional Lighting Hours of Use (R3)
  - SF Weatherization Baseline (R5)
  - Housing Characterization Study (R6)
  - Ground Source Heat Pump Impact & Mkt Assess (R7)
  - Central Air conditioning Study (R8)
  - Single Family “Potential” Study (R15) (imminent)
  - HES / HES-IE Impact Evaluation (R16, vol 1)

- Com’l:
  - Large C&I Market Assessment (C13)
  - Small Busienss Impact Study (C9)
  - Small Business Barriers Study / Ltd English / Low Income (C12)
  - EO Impact / Process Evaluation (C14)

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Projects Underway 2014 (some carryover*; not incluing NEEP)

- Residential:
  - HES Persistence and Process* (R4)
  - LED Market Assessment & Lighting NTG* (R86)
  - HES Additional Measures Review (R48)
  - Real Time Evaluation Data Collection (R31)
  - Residential Codes and Standards (R51)
  - Lighting Interactive Study (R67)
  - CL&P HER Persistence Study (R32)
  - CREED Lighting Data Participation (R82)
- Com'l:
  - Small Business Data Mining* (C10)
  - Small Business Barriers focusing on cancellations, financing, repeats *(C11)
  - C&I Market Assessment* (C17)
  - C&I New Construction & Code Compliance (C19)
  - ECB Evaluation* (C20)
  - C&I Financing Analysis / Market Research* (C11)

NEEP participation projects

- NEEP Forum Base Costs
- Emerging Ductless Heat Pump Meta Study (PD14-5)
- Measure Life Research (RE14-1)
- Incremental Cost Research (RE14-2)
- REED / Regional Energy Efficiency Database (PD14-1)
- Forum Support on ISO/RTO M&V Related Activities - New England Focus for Pas (PE14-3)
- EM&V Methods (PD14-2)

- 4 NEEP deferred

- Another 5 CT projects not yet underway or deferred

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2013-2014 Highlights

- Evaluation Consulting team in place a year
  - Process, communication changes (update materials)
- Planning Process increased transparency & input (2014-16)
  - 3 year plan, updated in interim years
  - Project planning / start-up time
- Considering refinements to Roadmap
  - Roadmap guides 3rd party independence, report management

- Highlights of study results:
  - Weatherization baseline
  - HES / HES-IE impact
  - Commercial studies

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2014 Study Planning Process

- Planning Process (Draft/Approved): vs. actual
  - Submittal of concepts; Criteria development (April / May).
    - Criteria include impact / process, gaps, high value data, leverage, other
  - Preliminary ranking, Refine process(May)
  - 2nd round of submittals, ranking (May/June)
  - Refinements, budgets, additional studies, final rankings (July/August)**
  - Vote on rankings (July / August)*** (many calls)
  - Study development / scopes (Aug-Dec) – (vs. mostly 2014)

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